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United States Patent [19]

Cady et al.

[11] **Patent Number:** **6,066,092**[45] **Date of Patent:** **May 23, 2000**[54] **PREEMPTIVE PROPHYLAXIS OF MIGRAINE DEVICE AND METHOD**[76] Inventors: **Roger K. Cady**, 631 Riverview Rd.;
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both of Ozark, Mo. 65721[21] Appl. No.: **09/185,310**[22] Filed: **Nov. 3, 1998****Related U.S. Application Data**

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[51] **Int. Cl.⁷** **A61B 5/00**[52] **U.S. Cl.** **600/300; 128/920**[58] **Field of Search** 600/300, 301;
128/920, 923[56] **References Cited****U.S. PATENT DOCUMENTS**4,816,470 3/1989 Dowle et al. .
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Migraine Today, Migraine Information Center.*Primary Examiner*—Cary O'Connor*Assistant Examiner*—Navin Natnithithadha*Attorney, Agent, or Firm*—Husch & Eppenger, LLC;
Robert E. Muir[57] **ABSTRACT**

A preemptive prophylaxis migraine method uses the following cognitive tests: Simple Reaction Time; Running Memory Continuous Performance Task; Matching to Sample; Mathematical Processing Task; and interprets the results as a percent of baseline indicator of need for prophylaxis. A preemptive prophylaxis migraine device includes a microprocessor having a memory; the aforementioned cognitive tests loaded into the memory; means for computing the score on a trial of these tests to establish a baseline, for storing the baseline in the memory, for computing the score of a subsequent trial of the tests, and for comparing the same to the stored baseline; and means for indicating a cognitive change.

20 Claims, 3 Drawing Sheets